

I claim:

1. A method of spatially coordinating Computer Aided Design (CAD) files of an object, comprising the steps of:

creating a master dimensional plan file to which said CAD files are spatially
5 located in working space as reference files;

linking at least one of elevation, section, and detail files of said CAD files to said master plan file with the coordinates of said master dimensional plan file in said working space for display;

linking concentric parallel shapes corresponding to respective z-axis coordinates
10 of the object about an x-axis and y-axis representation of one z plan of said object so as to identify all points on all elevations intersecting the z-axis coordinate of the respective shape, whereby each concentric parallel shape defines a plane in the z-axis dimension for the object in said working space for display and allows for the illustration of the passage of said plane through all elevation, section, and detail files referenced to said master
15 dimensional plan file including said z-axis dimension;

linking each selected elevation, section, and detail of said CAD files to the corresponding x, y and z coordinate positions of said master dimensional plan file in working space; and

displaying each said selected elevation, section, and detail file of said CAD files
20 at the corresponding x, y, and z coordinate positions of said master dimensional plan in a display plane of said working space.

2. The method of claim 1, wherein said x, y, and z coordinate positions in working space correspond to latitude, longitude and height with respect to sea level in real world coordinates.

25 3. The method of claim 1, wherein each side of each concentric parallel shape is parallel to an elevation or an orthographic projection of an elevation of said object.

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4. The method of claim 1, comprising the additional steps of moving amongst said linked CAD files by selecting switch file icons in CAD file views of said object, the switch file icons representing known architectural graphics symbols that are linked to the appropriate related CAD file based on the architectural graphics symbol of each switch file icon, and switching the displayed CAD file of the object upon selection of a corresponding switch file icon.

5. A method of moving amongst multiple Computer Aided Design (CAD) files representing different views of an object, comprising the steps of:
adding switch file icons to CAD file views of the object, the switch file icons representing known architectural graphics symbols;
linking the switch file icons to an appropriate related CAD file based on the architectural graphics symbol of each switch file icon; and
switching the displayed CAD file view of the object upon selection of a corresponding switch file icon.

6. A Computer Aided Design (CAD) software program that creates and stores a plurality of CAD files representing an object and enables an operator to view said plurality of CAD files representing said object, said CAD software program further comprising:
macro programs that open associated CAD files related to an object selected by the operator;
switch file icons selectable by the operator to initiate said macro programs to open associated CAD files to view CAD file views of the object, the switch file icons representing known architectural graphics symbols and being linked to the associated CAD files based on the architectural graphics symbol of each switch file icon,
whereby the operator may switch the displayed CAD file view of the object upon selection of a corresponding switch file icon without knowledge of the name of the CAD file for the new CAD file view.